

20010430.qrp v02_n175.qrl.20010430

Date: Mon, 30 Apr 2001 19:03:05 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2175

QRP-L Digest 2175

Topics covered in this issue include:

- 1) [97316] FS: TenTec Scout
by Thomas Fink <n8qxb@oh.verio.com>
- 2) [97317] QRPTTF from Kennedy Space Center
by Paul Womble <pwomble1@tampabay.rr.com>
- 3) [97318] St Louis vertical
by "TC Dufresne" <tdufres@radiks.net>
- 4) [97319] N3EPA QRPTTF 2001
by "Ron Polityka" <wb3aal@fast.net>
- 5) [97320] RE: coils
by Nick Kennedy <nkennedy@tcainternet.com>
- 6) [97321] QRPTTF 2001
by jaywa5whn@juno.com
- 7) [97322] QRPTTF- Scores??
by Paul Womble <pwomble1@tampabay.rr.com>
- 8) [97323] QRPTTF Scoring
by "Ron Polityka" <wb3aal@fast.net>
- 9) [97324] 20m Interference During and After QRPTTF
by "Steve Yates, AA5TB" <aa5tb@arrl.net>
- 10) [97325] Re: St Louis vertical
by David Gauding <david.gauding@bbs.galilei.com>
- 11) [97326] Re: coils
by "Neil" <neil@aade.com>
- 12) [97327] re: St Louis Vertical
by "Dave Benham" <dodgeboy@mindspring.com>
- 13) [97328] Re: 20m Interference During and After QRPTTF
by "Mike Malone" <mmalone@worldlogon.com>
- 14) [97329] RE: 20m Interference During and After QRPTTF
by "David Bixler" <qrp@netins.net>
- 15) [97330] FS: FT-817 + accessories
by "NZ8J" <timcook@erinet.com>
- 16) [97331] Re: Guitar Players, QRPers Unite!
by "Darrel E. Jones" <wd6bor@vom.com>
- 17) [97332] Spot of Light?
by Kenneth Hoglund <hoglund@wfu.edu>
- 18) [97333] QRPTTF: K5DI's Summary
by Tim Pettibone <k5oi@zianet.com>
- 19) [97334] QRP Web page (from the Azores)

- by Bill Meara <n2cqr@clix.pt>
- 20) [97335] NEED HELP WITH BIDIRECTIONAL DIODE??
by RangerSF5@aol.com
- 21) [97336] No seeing any of my post with AOL .5.0
by RangerSF5@aol.com
- 22) [97337] Tuna Tin II
by Rick Conners WA7ND <wa7nd@arrl.net>
- 23) [97338] TUNA TIN
by "Tntjoe" <tntjoe@qwest.net>
- 24) [97339] WQ2RP QRPTTF (recalculated)
by "John L. Sielke" <w2agn@pobox.com>
- 25) [97340] Re: QRPTTF- Scores??
by "Karl F. Larsen" <k5di@zianet.com>
- 26) [97341] Re: QRP Web page (from the Azores)
by <baltimoremd@baltimoremd.com>
- 27) [97342] Re: Microphone for K2
by "Mike Yetsko" <myetsko@insydesw.com>
- 28) [97343] RE: Tuna Tin II
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 29) [97344] QRPTTF - KJ5VW-Stealth antenna
by "Gary R. Hanson" <hansongr@uts.cc.utexas.edu>
- 30) [97345] No TTF this year
by ed.kwik@delphiauto.com
- 31) [97346] QRPTTF -- KN5TX Tally and QSLs
by "Chuck Carpenter" <w5usj@globeco.net>
- 32) [97347] Contest: QRPTTF Results - K7RE
by Brian Kassel <bkassel@dancris.com>
- 33) [97348] FT-817 Support Bracket Fotos
by "Chuck Carpenter" <w5usj@globeco.net>
- 34) [97349] RE: No TTF this year
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 35) [97350] Re: Microphone for K2
by "Mike Yetsko" <myetsko@insydesw.com>
- 36) [97351] HAMCOM 2001
by "SPENCER, JOSEPH" <joseph.spencer@tccd.net>
- 37) [97352] FDIIM Car Ride Available
by Dean W Manley <kh6b@juno.com>
- 38) [97353]
by nq7x@att.net
- 39) [97354] Contest: FD Antenna Discussion
by Brian Kassel <bkassel@dancris.com>
- 40) [97355] QRPTTF at K7GT/p
by agtaylor@llnl.gov
- 41) [97356] Last Call, Lower Prices! W0MC Shack Clearance Sale
by "Jerry McCollom W0MC" <w0mc@hotmail.com>
- 42) [97357] Re: Microphone for K2
by "George, W5YR" <w5yr@att.net>
- 43) [97358] K3PG QRPTTF LOG

by "Paul Gerhardt" <pgerhardt@hotmail.com>
44) [97359] KI6DS QRPTTF report/why NOT to operate from home during TTF events
by "Doug Hendricks" <ki6ds@dph.dpol.net>
45) [97360] OT: Pioneer 10 Still Alive!
by "David Castor" <dpcastor@home.com>
46) [97361] QRPTTF NOUR
by "Jim" <n0ur@mn.mediaone.net>
47) [97362] Another plug for K1/K2 rigs
by "John L. Sielke" <w2agn@pobox.com>
48) [97363] QRPTTF score calculation
by "Jim" <sunwatt@starband.net>
49) [97364] Re: Q: Herring-Aid 5 and other old radios
by "Delbert Long" <ad6we@hotmail.com>
50) [97365] Re: Herring Aid 5
by "Delbert Long" <ad6we@hotmail.com>
51) [97366] help with HW-8
by "Delbert Long" <ad6we@hotmail.com>
52) [97367] MK706MK2G & CW mode
by "Rod Cerkoney" <n0rc@hotmail.com>
53) [97368] QRPTTF Operating Habit
by Curt Milton <wb8yyy@yahoo.com>
54) [97369] Re: help with HW-8
by "Tom Dufresne" <tdufres@hotmail.com>
55) [97370] Re: Microphone for K2
by "Russ Hines" <wb8zcc@one.net>
56) [97371] Re: CW and guitars
by Dan Presley <talljazz@teleport.com>
57) [97372] Icom 735 for QRP
by "Michael T. Haynie, KC0EXP" <kc0exp@caddistech.com>
58) [97373] [MH101] Update April 30th [long]
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
59) [97374] Re: Icom 735 for QRP
by Bruce Muscolino <w6toy@erols.com>
60) [97375] RE: QRPTTF score calculation
by "John L. Sielke" <w2agn@pobox.com>
61) [97376] Re: NEED HELP WITH BIDIRECTIONAL DIODE??
by "ZOOM" <kandrparker@sympatico.ca>
62) [97377] Re: [Elecraft] Another plug for K1/K2 rigs
by "N7SG K7FD" <k7fd@hotmail.com>
63) [97378] Re: Icom 735 for QRP
by Paul Dryer <psdryer@ticnet.com>
64) [97379] NEWSLETTER:
by Shepherd@aol.com

Date: Sun, 29 Apr 2001 19:32:48 +0000
From: Thomas Fink <n8qxb@oh.verio.com>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [97316] FS: TenTec Scout
Message-ID: <01042919324801.02526@localhost.localdomain>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

FS: Ten.Tec Scout 555 with 10M, 20M and 40M modules
Microphone, manual and original box included.
Condition: Mint, used as a backup radio. Never been modified in any way!
Non-Smoker

Price: 435.00 includes shipping CONUS

73,
Tom
n8qxb@oh.verio.com

Date: Sun, 29 Apr 2001 20:12:39 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: QRP-L <qrp-l@lehigh.edu>
Cc: Bob Patten <n4bp@bc.seflin.org>
Subject: [97317] QRPTTF from Kennedy Space Center
Message-ID: <3AECADF6.6785D917@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What a difference a day makes. Yesterday at this time we were pretty discouraged with our results because of conditions. At least it was not just us!

QRPTTF 2001 preparations began just after the announcement of this year's theme. Frank NA4CW is a NASA meteorologist at KSC. I contacted him about a possible operation for TTF. Frank contacted the KSC Visitors Center
<http://www.kennedyspacecenter.com/> and Heather Strickland KSCVC Public Relations department. Heather was very helpful, even sending us a pass than allowed us to watch the launch of STS-100 from the Visitors Center, which is closed to the public during a launch. Endeavor lifted off, enroute to the ISS, right on schedule. We used the launch visit as an antenna and operating location scouting trip.

We operated from the Rocket Garden, within range of several monoliths.

The closest being a 223' Saturn 1B rocket!

Operators were: Frank NA4CW (who had to leave early for a QRP entry in the FL QSO Party), Gary N4DL, Fred W2XN, Jack K4BYF, and Paul K4FB.

Station #1 was K1 #376 with a 20m dipole up 25'. Later we changed the antenna to a 20m 1/2 square, but that did nothing to overcome the poor conditions.

Station #2 was K2 #568 with a 40m dipole up 20' used on 10,15, and 40.

We were on the air at 1530z on 20 and 15m. The rate on 20 was ok...but 15 was a different story. After the first hour Station #1 had 18 in the log but only 5 for Station #2. We continued to swap operators about every hour, which allowed those not operating to see the rest of the visitors center. 15m would show signs of life...but the signals would vanish just as fast as they appeared. 10 was even worse...except for K1ZZ who was our only 10m qso. Actually we worked K1ZZ on 10, 15, and 20. Thanks Dave!

We had several visitors stop by during the day to see what we were doing. We were tempted to tell them we were conducting classified tests for NASA, or communicating with the Space Shuttle. Thankfully we resisted the urge! We did have one ham who was on vacation from 1-Land, shooting video to send to ham friends in ZD7. He spotted the dipole before he saw our operating position, and commented on the tape wondering why there was a dipole set up there. N4DL gave the camera a quick interview and included info about QRP and QRPTTF. Maybe we'll see some QRP op's from St. Helena soon!

At the end of the six hour operating period our logs showed:

10m	1 qso	1 SPC
15m	21 q's	11 SPC's
20m	51 q's	29 SPC's
40m	1 qso	1 SPC

910 qso points x 42 SPC's x 4 LOC + 550 bonus points = 153,430 claimed score.

We qualify for the "Worked All Dave Award", but HAL's were rare. K0EVZ kept us from being shutout in that category.

Pics from the operation can be seen at: <http://www.qsl.net/k4fb> As promised a special certificate is available for stations that worked us on two bands. K1ZZ earned a 3-band endorsement! We're going to offer the certificate to stations that worked us on any band...surely we would have had more if conditions would have been better. Please send QSL's

(No SASE Required) with a return mailing label to:

Paul Womble
PO Box 1207
Highland City, FL
33846-1207

This was our first multi-op TTF operation. We will be back!

If you ever find yourself in Florida near the KSC, the Visitors Center is a great place to spend a day.

73
Paul K4FB

Date: Mon, 30 Apr 2001 00:39:49 +0100
From: "TC Dufresne" <tdufres@radiks.net>
To: <qrp-l@Lehigh.EDU>
Subject: [97318] St Louis vertical
Message-ID: <009301c0d105\$af5b1ec0\$0501a8c0@computer1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have decided to take my QRP rig on the road when I go to California. Got a good case for the rig (HW-8) and power supply, but need a good antenna. I operate mostly on 40 and 15 meter, with occasional on 20 meter. Wanted to get the setup for St Louis Vertical, and wouldn't ya know, he's discontinued the coil! He got a pretty good description on how to build 'er, but the coil has me puzzled. It's seven inches with 10-40 meters, 17" for 80 thru 10 meters, with 8 turns to the inch. What material does he (anyone) use for the coil? Is it just copper wire? Would really like to try this thing, as I have already bought the Black Widow pole from Cabela's, and I HATE to fish!! Ideas?
Tom
KC0GXX

Date: Sun, 29 Apr 2001 20:59:11 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>, ". Eastern PA

QRP Club" <epaqrp-1@Lehigh.EDU>
Subject: [97319] N3EPA QRPTTF 2001
Message-ID: <018301c0d110\$c66d2ee0\$8b085cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Well the bands were not in the best of shape but
we had a great time operating outdoors.

Check out www.n3epa.org and click on N3EPA QRPTTF 2001
for pictures and details of our operation.

17 Q's on 40 Meters with 11 sections / 250 ID pts. / 1 Bonus

11 Q's on 20 Meters with 7 sections / 155 ID pts. / 1 Bonus

N3EPA's Final Score of 204,220 Points with 3 hours of operation.

Thanks for the Q's!!

72 & 73
Good DXing

Ron Polityka
n3epa@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
<http://www.n3epa.org>

Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

Date: Sun, 29 Apr 2001 20:04:28 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [97320] RE: coils
Message-ID: <01C0D0E7.9C2B9AA0.nkennedy@tcainternet.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I trust the AADE pretty well, but checking by resonating with a high accuracy cap using a scope or antenna analyzer sounds like a good second check.

Sometimes to see what variations in the value do to the circuit, I experiment with Electronics Workbench. It has a bode plot function that gives response Vs frequency. That helps know whether to worry or not worry about variations I'm measuring.

72--Nick, WA5BDU

-----Original Message-----

From: Dave Pomeroy [SMTP:dave@dpomeroy.com]

I'm winding toroids for lowpass filters. The ckt is based on a handbook design. After I wind the coils I've been measuring then with my AADE LC meter. They all read higher than called for in the winding instructions. Would you go with the reading for the instructions?

Date: Sun, 29 Apr 2001 19:02:12 -0600
From: jaywa5whn@juno.com
To: qrp-l@lehigh.edu
Subject: [97321] QRPTTF 2001
Message-ID: <20010429.190219.-629911.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

No abductions or radios were harmed during this outing. ;-)

15 meters; lots of signals up until 2000 UTC, then suddenly only one station K4FB {nice signal from Florida} was heard.

Beacons: K8CV, K0EVZ, NQ7X, AA5B, K1ZZ, KI6DS, K4FB, W0UFO, K50J, N1IE, VE6AAN, N5UW, N1FN & half of Colorado, plus a multitude of others. These stations kept an S-5 to S-9 signal into grid square DM65pp.

NM stns worked were KK6MC, W5YA & K5DI.

Stn: FT-817 & K1 (not at the same time) fed into a Hustler mounted mobile antenna with the 15/20/40 meters resonators.

Vistas: Redondo Peak (12k feet asl) with snow on top, the quiet lake, the

tall pines and the smell of being outdoors.

A thunderstorm had passed to the south of us. I think that is the one that had collided with W9GFZ. We did not escape the wind.

AA5TB, I had heard you call me but there was someone else on frequency and I was not going to be part of the qrm. You were heard. :-)

On 20 meters, it had sounded like everyone was on 14.059 to 14.061 MHz.

QSB was very rapid, especially on 15 & 20 meters. QRN {local lightning} was prevalent on 40.

I will add up the points later, but the fun factor was pegged. Tnx to N0QT for coordinating this event.

See some of you @ Ft. Tuthill & Glacier-Waterton Hamfests in July.

72...Jay, WA5WHN DM65pp

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<http://dl.www.juno.com/get/tagj>.

Date: Sun, 29 Apr 2001 21:07:17 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [97322] QRPTTF- Scores??
Message-ID: <3AECBAC5.151E7571@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Seeing some really BIG scores!

I think a couple have multiplied by bonus points instead of adding them. Better check the math. From the rules:

Total pts x Total SPC x Location + Bonus Points = Final score

73

Paul K4FB

Date: Sun, 29 Apr 2001 21:16:12 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [97323] QRPTTF Scoring
Message-ID: <01cb01c0d113\$25c19000\$8b085cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hummmm,

I think I goofed in the scoring of our points.

How does one come up with the Total Points?

Total Pts. x Total SPC x Location + Bonus Pts. = Final Score

Thanks in advance!!

72 & 73
Ron de WB3AAL
www.n3epa.org

Date: Sun, 29 Apr 2001 20:22:37 -0500
From: "Steve Yates, AA5TB" <aa5tb@arrl.net>
To: QRP-L Distribute <qrp-l@Lehigh.EDU>
Subject: [97324] 20m Interference During and After QRPTTF
Message-ID: <002101c0d114\$0c5f57e0\$f828bcd0@pavilion>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

During QRPTTF my reception was hindered several times by a broadband interference that I suspect is a spurious emission from maybe a shortwave broadcast transmitter. Today I can still hear the signal and it is causing havoc on 20m. I have placed a recording and more information on the following Web page (click on Signal 12):

<http://www.geocities.com/aa5tb/unusual.html>

I am curious if anyone else is receiving the interference?

73,

Steve Yates - AA5TB

Fort Worth, Texas

Grid Square: EM12gs

aa5tb@arrl.net

<http://www.geocities.com/aa5tb/>

Date: Sun, 29 Apr 2001 20:29:44 -0500

From: David Gauding <david.gauding@bbs.galilei.com>

To: qrp-l@lehigh.edu

Subject: [97325] Re: St Louis vertical

Message-ID: <5.1.0.14.0.20010429195940.00a45ec0@bbs.galilei.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Tom,

It's too bad that Vern Wright discontinued his coil for the SLV/W6MMA. I'm sure he felt it was time to move on to new things after almost five years of production. This product used a pvc coil former machine inletted to take copper wire. The coil was tuned with a sliding tap assembly. A nifty mounting base for the collapsible fiberglass pole was included with the coil. But, there are a couple of homebrew options out there for the original St. Louis Vertical if you prefer an elevated tapped coil.

1. The quickest and cheapest coil is a super design by AE0CW (ex-N0TFI). It is a 10-40M tapped bare wire coil using closed-cell foam pipe insulation as a coil form. Slip fits right on the pole and it's a very easy build. Privately, I look at this project and it reminds me what amateur radio and homebrew are all about. The last time I looked you could link to designer's personal website off the NorCal page.

2. Or, you can build a St. Louis Coil. This is the tapped air-wound 10-40M coil used by the St. Louis Pocket Vertical (see QRPp, Spring 2000) or the 10-20M version used by the St. Louis Vest Pocket Vertical (see QRP Homebrewer, Summer 2000). It's a labor intensive project but these homebrew coils are excellent performers when paired with the SD-20 or Black Window poles.

Hope this is helpful for you, Tom. And, nice to read your still using an HW-8. I still dust mine off occasionally. The rig is very much a sleeper after all the years. I smile a lot when I use it! <g>

Good luck,

de Dave, NF0R nf0r@slacc.com

At 12:39 AM 4/30/01 +0100, you wrote:

>I have decided to take my QRP rig on the road when I go to California. Got a
>good case for the rig (HW-8) and power supply, but need a good antenna. I
>operate mostly on 40 and 15 meter, with occasional on 20 meter. Wanted to get
>the setup for St Louis Vertical, and wouldn't ya know, he's discontinued the
>coil!

Date: Sun, 29 Apr 2001 18:40:23 -0700
From: "Neil" <neil@aaade.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [97326] Re: coils
Message-ID: <000d01c0d116\$86d3ff60\$5a330918@fedwy1.wa.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The inductance of a toroid coil is a function of

Permeability ,
physical dimensions,
number of turns,
winding technique,
temperature,
frequency,
AC and DC flux density.

None of these are high accuracy parameters.

With all these variables I suspect just winding a specified number of turns
will result in not too much better than 20% tolerance.

The secret is to wind too many turns and trim back until you get the desired
inductance by whatever form of measurement you use.

The AADE meter will easily get you to within adjusting resonance with the specified tuning capacitor.

I have many customers who design filters using AADE filter design, select components using AADE L/C meter and the filter performs properly without adjustment.

For a downloadable manual from Amidon see:
<http://www.bytemark.com/amidon/>

Neil
<http://www.aade.com>
<mailto:neil@aade.com>
Almost All Digital Electronics
1412 Elm St. SE
Auburn, WA 98092
253-351-9316
>

Date: Sun, 29 Apr 2001 21:55:43 -0400
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [97327] re: St Louis Vertical
Message-ID: <00e501c0d118\$aba65980\$87d179a5@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I emailed Tom privately about how I made a coil for the SLV, but I'll rehash it here briefly in case others might be interested.

I used, I think, 1 1/4" PVC as a coil form. I didn't have a lathe to cut grooves in the PVC and I needed a method to space the wire (#14 was what I used, I think) evenly. I wound up calculating the space I needed between the wire for it to be spaced at 8 tpi. Then I bought weedwhacker line at as close a diameter to that "space" as I could. I wound the copper wire and the weedwhacker line side-by-side around the PVC tube and secured it with two beads of hot glue spaced 180 degrees apart (when I was done winding the coil), and 90 degrees away from where the shorting bar feeler (also homebrewed) would slide up and down the coil without interference.

It looks a little crude, but it works fine.

Good luck,
Dave K8TRF

Date: Mon, 30 Apr 2001 21:08:19 -0500
From: "Mike Malone" <mmalone@worldlogon.com>
To: <aa5tb@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [97328] Re: 20m Interference During and After QRPTTF
Message-ID: <003e01c0d1e3\$98c802c0\$0df8a7cc@malone-family>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes, I have had it yesterday and today. It seemed to fade about 2230 today.
QSB was bad again on 20 today and I still had it. I would be real curious
if anyone has pinpointed it's direction with a yagi.

KD5KXF

Balch Springs, TX

-----Original Message-----

From: Steve Yates, AA5TB <aa5tb@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Sunday, April 29, 2001 8:22 PM
Subject: 20m Interference During and After QRPTTF

>During QRPTTF my reception was hindered several times by a broadband
>interference that I suspect is a spurious emission from maybe a shortwave
>broadcast transmitter. Today I can still hear the signal and it is
>causing havoc on 20m. I have placed a recording and more information on
the

>following Web page (click on Signal 12):

>

><http://www.geocities.com/aa5tb/unusual.html>

>

>I am curious if anyone else is receiving the interference?

>

>73,

>Steve Yates - AA5TB

>Fort Worth, Texas

>Grid Square: EM12gs

>aa5tb@arrl.net

><http://www.geocities.com/aa5tb/>

>

Date: Sun, 29 Apr 2001 21:38:35 -0500
From: "David Bixler" <qrp@netins.net>
To: <aa5tb@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [97329] RE: 20m Interference During and After QRPTTF
Message-ID: <DBEPKBJH00EAHCKKIHPFAEDCCBAA.qrp@netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Steve:

Yes, I heard this interference quite loud here in SW Missouri yesterday at QRPTTF. It covered the CW band from below 13.980 to above 14.070. It probably was wider, but that was all I tuned.

Occasionally it would end somewhat abruptly, and for a while I was blaming local electrical sources. Guess it wasn't local.

Never heard it on the other bands.

72,

Dave

David Bixler W0CH - VK2IQX
Seneca, MO
Main Web Site: <http://www.qsl.net/w0ch>
Mirror Site: <http://showcase.netins.net/web/w0ch>

QRP: Little Radios, Big Fun!

Date: Sun, 29 Apr 2001 22:41:27 -0400
From: "NZ8J" <timcook@erinet.com>
To: <qrp-1@Lehigh.EDU>
Subject: [97330] FS: FT-817 + accessories
Message-ID: <02ed01c0d11f\$16e87ba0\$6122fea9@nec>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a exc condition FT-817 for sale. will sell the accessories after the radio sells if the buyer doesn't want them.
Radio looks and works good, has the mars mod, no other modifications to the battery pack etc...

Radio \$620 shipped (box, manual,mic, power cord)
Yaesu 500 hz CW filter \$100 shipped
Brand new never used Yaesu carrying Case \$20 shipped
8 Sears Diehard nimha AA 1300ma batteries and radio shack 8 cell quick charger charger \$40 shipped

or a package deal for: \$750 shipped for everything
email for more info if needed

Thanks
Tim
NZ8J

Date: Sun, 29 Apr 2001 19:58:30 -0700
From: "Darrel E. Jones" <wd6bor@vom.com>
To: "QRP List" <qrp-l@lehigh.edu>, <dpuckett@graphtronics.net>
Subject: [97331] Re: Guitar Players, QRPers Unite!
Message-ID: <003401c0d121\$70cd42c0\$6cc84cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dan,

I think that's a great idea and would like to propose that the QRP'ers attending Pacificon do the same. If you could put together a songbook of low powered instrumentals with QSOs played out in eighth and quarter notes, we could stage concerts wherever we go and maybe even make enough extra cash to buy a few new kits.

Allegro non tropo and 72s,
Darrel, WD6BOR

----- Original Message -----

From: Dan Puckett <dpuckett@graphtronics.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, April 29, 2001 1:39 AM
Subject: Guitar Players, QRPers Unite!

> Gang,
>
> The recent threads discussing musicianship and cw operation has started
> me thinking. This is usually a dangerous thing. This is no exception.
> So, I am inviting you all to participate in the very first, and possibly
> only, FDIM Hootenanny. When you come to town next month, bring your
> guitar, banjo, trumpet, your full upright bass. This is unofficial.
> Not scheduled. Catch as catch can. And, has the potential to be a heck
> of a lot of fun.
>
>
> 73 and see y'all at the party
>
>
> Dan "Bash bits"
>
> WD8AAU
>

Date: Sun, 29 Apr 2001 23:43:23 -0400
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [97332] Spot of Light?
Message-ID: <3AECDF5B.9CE84FD1@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

With all the problems with the bands on TTTF Saturday, maybe its time
for good, ...err..interesting news.

Part of my bday loot last Weds was the dvd version of "Frequency". We
watched it tonight, and after the family crawled into bed, I played with
the "special features" part of the dvd. One is on "ham radio" and offers
about 5 minutes of a puff piece overview on amateur radio. Of interest
are comments by N6TFS and K6MEF on the necessity of licensing, the
ability to communicate with satellites and space stations, and a nice
explanation of the solar cycle and its impact on hf communications.

Toby Emmerich, one of the writers of the script, talked about playing
with cb radio with his brother while growing up, and what fun that was.
Also claimed the idea in "Contact" of radio waves going out far into
space stimulated the idea of having radio communications be the means

for time travel via communication. He said he couldn't see how a fireman would get excited about cb radio after a hard day at work, so "juiced up" idea by having the hero be a ham radio operator.

Overall, this is a nicely done presentation, and could be a useful way for folks to find out more. Unfortunately, there was no information on where to go next for more information.

73

Ken KG4FGC

Date: Sun, 29 Apr 2001 23:13:06 -0600
From: Tim Pettibone <k5oi@zianet.com>
To: qrp-l@lehigh.edu
Subject: [97333] QRPTTF: K5DI's Summary
Message-ID: <5.0.2.1.0.20010429230030.009e57d0@zianet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Condx were lousy but we Karl K5DI and Randy K7TQ) had fun anyway. WX was great with the wind picking up a little in the afternoon (but nothing like at Riley!) Location was on top of Tortugas ("A") Mountain to the east of Las Cruces.

Worked 7 Qs on 40m, 39 on 20m, 12 on 15m, and 3 on 10m. SPCs totaled 32 and we got 500 bonus points for working miscellaneous "super stellars". Total score: 104,180. Total time on the air was less than 6 hours with lots of "listening" time. Randy's PW1 was mounted on top of the 40 foot old AT&T microwave tower. Karl's and my Hamsticks were on top of our respective pickups.

Tim K5OI

Date: Mon, 30 Apr 2001 06:56:54 -0400
From: Bill Meara <n2cqr@clix.pt>
To: qrp-l@Lehigh.EDU
Subject: [97334] QRP Web page (from the Azores)
Message-ID: <3.0.6.16.20010430065654.34bf5ec4@pop.clix.pt>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

My Web site has a lot of QRP and QRP-homebrew stuff. There are pictures of my 20 meter HB QRP station and articles describing the building process.

Check it out:

<http://planeta.clix.pt/n2cqr/>

73 de Bill N2CQR CU2JL

Date: Mon, 30 Apr 2001 02:58:47 EDT
From: RangerSF5@aol.com
To: qrp-1@lehigh.edu
Subject: [97335] NEED HELP WITH BIDIRECTIONAL DIODE??
Message-ID: <db.13b0d0b3.281e6727@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

thanks for the reply. the problem is that it's supposed to be a "bidirectional" diode. from the diagram it shows two diodes connected cathode to cathode so whichever

HI GANG,

i'M TRYING TO GET A CHRYSLER a/c UNIT GOING FOR SOMEONE VIA "E MAIL

I looked in many books but the auto industry may call it a different name such as you see.

How do the two work or what do they do being cathode to cathode?

Any help will be greatly appreciated

Bob

Date: Mon, 30 Apr 2001 03:33:51 EDT
From: RangerSF5@aol.com
To: qrp-1@lehigh.edu
Subject: [97336] No seeing any of my post with AOL .5.0
Message-ID: <d9.13b085b6.281e6f5f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,

Please reply direct with any info on that diode question.

I'm not seeing my post but see most of others.

Thanks

Bob
WA2HQrp <tm>

Date: Mon, 30 Apr 2001 01:26:28 -0700
From: Rick Conners WA7ND <wa7nd@arrl.net>
To: qrp-1@Lehigh.EDU
Subject: [97337] Tuna Tin II
Message-ID: <3.0.32.20010430012626.007ba7d0@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ok...so I was VERY careful building my little gem...

The smoke test was an absolute failure..no smoke and no signal.

Would anyone be willing to take a look at my work if I pay shipping both ways...I am stumped!

73,

Rick
WA7ND
wa7nd@arrl.net
ThunderPaws Ranch
Tumalo, Oregon, USA

Date: Mon, 30 Apr 2001 03:47:07 -0700
From: "Tntjoe" <tntjoe@qwest.net>
To: "list QRP" <qrp-1@Lehigh.EDU>
Subject: [97338] TUNA TIN
Message-ID: <NEBBIJDBGLGEDGHDACCGME00CKAA.tntjoe@qwest.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Where do you get them tuna tin kits from?

73

Joe KC7TNT

" When all is said and done usually more is said than done"

Name TNTJOE
Ham Radio KC7TNT
Phone # 602-867-7045
Fax # 602-867-7045
Fists C/W Club # 4213
Fists CC # 864

Date: Mon, 30 Apr 2001 07:45:33 -0400 (EDT)
From: "John L. Sielke" <w2agn@pobox.com>
To: njqrp@njqrp.org
Cc: qrp-1@lehigh.edu, n2cq@arrl.net
Subject: [97339] WQ2RP QRPTTF (recalculated)
Message-ID: <XFMail.010430074533.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

OK, OK, so I read the thing wrong. I MULTIPLIED the bonus points instead of adding.

I can only say....the EPA guys did the same...HI!

With 770 QS0 pts X 26 SPC X4 PLUS 250 it looks a more reasonable 80,330.

John W2AGN (kinda liked the OLD math)

Date: Mon, 30 Apr 2001 06:06:49 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Paul Womble <pwomble1@tampabay.rr.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [97340] Re: QRPTTF- Scores??
Message-ID: <Pine.LNX.4.33.0104300606150.1261-100000@cannac@ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Oh nuts! ADD.

On Sun, 29 Apr 2001, Paul Womble wrote:

> Seeing some really BIG scores!
>
> I think a couple have multiplied by bonus points instead of adding
> them. Better check the math. From the rules:
>
> Total pts x Total SPC x Location + Bonus Points = Final score
>
> 73
> Paul K4FB
>
>
>
>
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Mon, 30 Apr 2001 08:47:26 -0400 (EDT)
From: <baltimoremd@baltimoremd.com>
To: Bill Meara <n2cqr@clix.pt>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [97341] Re: QRP Web page (from the Azores)
Message-ID: <Pine.BSI.4.05L.10104300846270.10080-100000@vh1.min.net>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 30 Apr 2001, Bill Meara wrote:

> My Web site has a lot of QRP and QRP-homebrew stuff. There are pictures of
> my 20 meter HB QRP station and articles describing the building process.

You might consider joining the QRP webring
<http://www.baltimoremd.com/qrpwebring/>

73
thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring
and Drake Mail List Pages

Date: Mon, 30 Apr 2001 08:21:47 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <at902@tcnet.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [97342] Re: Microphone for K2
Message-ID: <00d401c0d170\$246958c0\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I just got a K2 (#2030) and have just started building. Eventually I
will
> get around to the SSB module, but I do not have any 8 pin microphones
> to use with it. Any recommendations?
>
> Ken McGuire

There appears to be a number of people just using CB microphones
with the K2 with good success. The 26-1172 comes to mind, as that
is the Radio Shack basic cheap generic mic. They are readily available
and you can't get much more generic.

However, they are designed for the Radio Shack CB sets of years ago,
and as a result are actually excellent dynamic mics for LOW LEVEL
inputs. If I recall, the old RS CBs could be driven to full output
(100%)

modulation) with as little as 10mv of drive. So the mics were matched to that level.

The K2 on the other hand is set up for a mic that delivers about 100mv, according to K2 SSB manual. That's more in line with the high output electrets of an ICOM hand mic.

While using a 26-1172 mic works, it doesn't 'drive' the audio circuits in the K2 as hard as a hotter mic.

I personally use a 26-1173 mic from Radio Shack on my K2. This mic is old, and hasn't been sold in over 15 years. It's the 'desk mic' that was designed for the RS CBs. I got mine for \$2. (It didn't work due to a shorted connector when some gorilla fingers tried to cut off the 5-pin din and put on a 4-pin Amphenol. It looked like he used an old Ungar wood burning tool instead of a soldering iron. Then tried to put the 5-pin plug back on and claim the mic was defective. "I don't know, it came that way". Right! But it means I got it for \$2!) I've used that with HTs and other radios, and have discovered over the years that it's a LOW OUTPUT mic.

My K2 is personally wired to match my Alinco. The reason for that is that I had already made up a 5-pin DIN to 8-pin adapter for my Alinco when I was having mic problems. That way I could just plug in a CB mic (the 26-1172 in fact) and use it in a pinch. It worked well there, but the same issue surfaced. Low output.

What happens is with low output, rigs that 'compress' or otherwise process the audio open the gain WIDE OPEN to compensate. This brings up the volume and the mic works. Well, on most rigs. The ICOM 3AT (and I assume 2AT and 4AT also) can't bring it up enough and sound really 'soft'. Even with the rigs that appear to work well, you lose the 'punch' as the audio gain is left wide open instead of level riding to compress the audio.

Three options here, two if you don't want to buy an electret high output mic... One is to tweak the radio to match the mic. The other is to add a small preamp to the mic. A gain of 10x should probably be just about right to boost the RS 26-1172 mic to a level to match the K2.

I keep saying I'm going to add that to my 26-1173 mic, but I just haven't done it yet...

One trick I recently saw was really neat. The guy had taken a regular CB mic and put a speaker element in there. One of the small ones, that 'size' matched the mic. Then drilled a small hole in the mic case off to the corner and put a small electret mic (the \$1 something at RS). Wired it all through the cable to his 2M rig, and had a decent little speaker mic. Might make a neat mic for the K2! (And that little electret mic sounded pretty good on his 2M radio!)

Mike

Date: Mon, 30 Apr 2001 08:37:27 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'wa7nd@arrl.net'" <wa7nd@arrl.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [97343] RE: Tuna Tin II
Message-ID: <125490A005E3D3118C9C00805FC743CC023B2C83@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi, Rick,

If you would like me to take a look at it, send it along to the address in my sig. One other alternative is to give me a call from your workbench -- a few voltage readings may tell us all we need to know to let you fix it.

One "gotcha" on the TT2 circuit is that the keying is in the positive power supply, not keyed to ground. If your keyer and the TT2 are both grounded to the station ground, it will not work. For troubleshooting purposes, key it with a hand key.

73,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St
Newington, CT 06111
Tel: 860-594-0318
FAX: 860-594-0259
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org>
ARRL Technical Information Service: <http://www.arrl.org/tis/>

-----Original Message-----

From: Rick Conners WA7ND [mailto:wa7nd@arrl.net]
Sent: Monday, April 30, 2001 4:26 AM
To: Low Power Amateur Radio Discussion
Subject: Tuna Tin II

Ok...so I was VERY careful building my little gem...

The smoke test was an absolute failure..no smoke and no signal.

Would anyone be willing to take a look at my work if I pay shipping both ways...I am stumped!

73,

Rick
WA7ND
wa7nd@arrl.net
ThunderPaws Ranch
Tumalo, Oregon, USA

Date: Mon, 30 Apr 2001 06:41:27 -0700
From: "Gary R. Hanson" <hansongr@uts.cc.utexas.edu>
To: QRP-L@lehigh.edu
Subject: [97344] QRPTTF - KJ5VW-Stealth antenna
Message-ID: <3AED6B87.8354CE83@uts.cc.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I had a fabulous time! With no outside antennas allowed by my condo association, I erected a "stealth" Bobtail curtain in the backyard of my condo. One vertical leg slithered through the branches of one pine tree, the horizontal wire was almost invisible, and the second vertical leg snaked through the branches of a second pine tree. I couldn't have planted the pine trees with a more perfect match to a 20 meter half-wave distance. My throwing arm was weak and I only got it up about 25 feet,

but it seemed to work just fine.

I sat in the shade of my patio and overlooked the condo pool, but operated portable with a 7 amp gelcell battery, my Super-Tee tuner and my EMTECH NW20.

My monolith was a 50-foot palm tree next to the swimming pool. Temperature was about 97 degrees so I only operated about 3 hours total as I took numerous breaks to cool off in the pool. Contests can be so grueling <grin>.

I did S&P almost exclusively and only called CQ once or twice. I heard lots of awesome signals, but experienced the same QSB as everyone else. Longest contacts were, Virginia, Maryland and Washington. I also worked several close in states like New Mexico, Nevada and California. Heard a Japanese station, but couldn't work him and several Canadian stations heard but not worked. I made 24 contacts in 12 SPC's and earned 200 bonus points. Not bad for a stealth antenna.

All in all, I got to try a new antenna that worked well, worked some great operators, and had a ball. I'll be back again next year.

Gary, KJ5VW
Scottsdale, AZ

Date: Mon, 30 Apr 2001 09:46:52 -0400
From: ed.kwik@delphiauto.com
To: qrp-1@Lehigh.EDU
Subject: [97345] No TTF this year
Message-ID: <05256A3E.004BC70F.00@notes.delphiauto.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

I got up early on Saturday. This started great. I had just too many chores to do a field op this year but was going to do the last three of four hours from the home shack. By 11:00 I had all the chores done. The weather was perfect.

Been wanting to re-string my 30 meter vertical loop. I put it up during the winter to see how it would work. It is a good compliment to my dipole so I decided to make the installation more permanent I need to take it down a replace the cheap nylon line that I used with proper UV resistant antenna rope. It is supported by to tall trees in my backyard. When I tried to take it down, one of the lines got hung up in one of the trees. So I climbed up on the roof to get a better angle. While pulling on the line and walking backwards, I slipped and fell. The drop was only about four feet from one part of the roof to the other part. But I landed on one of the steeper sections. I spread eagled to stop me from sliding off the roof altogether and it worked OK. But I got scraped up bad. Had to go the emergency room and get some stitches over my left eye. Got major road rash on my arms and the back of my hands. After getting back form the hospital, it was late and I was hurting too much to get on the air. If I had been out in the field, I would have been much more careful. I have been up on that roof a couple of hundred times over the last three years and got just too comfortable up there. So my 30 meter activity will be down until I can heal enough to get back on the roof. Will shift my evening ops to 20 meters.

Ed AB8DF

The Michigan QRP Net meets each Tuesday night at 9:00 PM Eastern Time on 3.535 MHz. All hams are welcome.

Date: Mon, 30 Apr 2001 08:59:24 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-l@Lehigh.EDU, netxqrp@qth.net
Subject: [97346] QRPTTF -- KN5TX Tally and QSLs
Message-ID: <3.0.2.32.20010430085924.008473f0@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRPTTFers,

The NETXQRP club's first outing and using our new call, KN5TX, managed a final score of 83,080 for 5.5 hours of operation.

Operators: Bill - K5JHP, Rich - N5JI, Chuck - W5USJ, James - KC5DSP, and with George - W5YR observing.

The weather was great here in Rains Co, TX and it was a great event inspite of the conditions. Our equipment included a K1, K2, IC706, and guess what -- an FT-817(which worked great).

There will be pictures on the NETXQRP website sometime later. The 90ft oak
monolith looms large at the back of our setup area. (We used the name Oaks.)

QSLs -- via W5USJ (the QRZ address is correct)

Anyone who worked us and would like a QSL from KN5TX operating from Rains
Co, TX, send one and *no* SASE required. A card, special for the event,
will be returned.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #759, RARA #3, Visit NETXQRP Web Site: <http://www.netxqrp.org>
[TMPS] Qs/131, States/40, DX /27, 3W to HF9V, Marsh Key, Codeboy Keyer

Date: Mon, 30 Apr 2001 07:06:04 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>, azqrp <azqrp@extremezone.com>, Floyd Smithberg
<nq7x@att.net>, Michael Todd <hamike@earthlink.net>
Subject: [97347] Contest: QRPTTF Results - K7RE
Message-ID: <3AED714C.3E7DF86@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gangue:

Well, I won't repeat the propagation comments. Bob and Bertie
Hightower had intended to do multi-op, but conditions were so putrid
that we just decided to go with 20M, each of us working in 30 minute
intervals as individual entries. I did go up to 15M and 10 M 2 times,
and called CQ for 15 minutes at a stretch. I used up 1 solid hour total
calling CQ with not one station heard!

I didn't bother to put up my 20M beam either, just not worthwhile. I
wound up with 15 whole QSO's in 6 hours.

Thanks to the UFO Princess, Jan, and Paul for all of their efforts.
Don't know how we all ticked off those propagation gods, but it sure
worked for both this and the ARCI Spring QSO party. Guess that sooner or
later we will get our contests back in synch with propagation peaks ;)

Brian K7RE

Date: Mon, 30 Apr 2001 09:14:37 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-1@Lehigh.EDU
Subject: [97348] FT-817 Support Bracket Fotos
Message-ID: <3.0.2.32.20010430091437.007f2e30@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks.

My FT-817 when in use at the home QTH and fixed portable events is now supported by a bracket. It holds the front up to make viewing and operating easier. It was *hacked* out of a piece of aluminum strap. The center catch is about as wide as the slot in the strap bracket. The back edge is held up with a piece of 1/2 inch edge moulding. It keeps the connectors the operating surface. Check it out on the NETXQRP website, MEETINGS, April 2001 Meeting page. The URL is shown in my sig line below.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #759, RARA #3, Visit NETXQRP Web Site: <http://www.netxqrp.org>
[TMPS] Qs/131, States/40, DX /27, 3W to HF9V, Marsh Key, Codeboy Keyer

Date: Mon, 30 Apr 2001 07:20:10 -0700
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: <ed.kwik@delphiauto.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [97349] RE: No TTF this year
Message-ID: <NBEDJCBBKGGMMPNBDCKOCCEMCDAA.rmccarty@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

D'oh!

What sacrifices we will force our bodies to endure for the sake of Qrp, eh'?

I am happy to hear that damage is relatively minor and recovery is eminent.

You would think Nature would be more kind to Amateur Radio operators. Unfortunately, by the time we get the Ham bug, our snowboarding, BMX racing, and sliding down hand rails on skateboard days, are behind us :-)

Roger KD6CC

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of ed.kwik@delphiauto.com

Sent: Monday, April 30, 2001 6:47 AM

To: Low Power Amateur Radio Discussion

Subject: No TTF this year

I got up early on Saturday. This started great. I had just too many chores to do a field op this year but was going to do the last three of four hours from the home shack. By 11:00 I had all the chores done. The weather was perfect.

Been wanting to re-string my 30 meter vertical loop. I put it up during the winter to see how it would work. It is a good compliment to my dipole so I decided to make the installation more permanent. I need to take it down and replace the cheap nylon line that I used with proper UV resistant antenna rope.

It is supported by two tall trees in my backyard. When I tried to take it down,

one of the lines got hung up in one of the trees. So I climbed up on the roof

to get a better angle. While pulling on the line and walking backwards, I slipped and fell. The drop was only about four feet from one part of the roof

to the other part. But I landed on one of the steeper sections. I spread eagled to stop me from sliding off the roof altogether and it worked OK.

But I

got scraped up bad. Had to go to the emergency room and get some stitches over my

left eye. Got major road rash on my arms and the back of my hands. After getting back from the hospital, it was late and I was hurting too much to get on

the air. If I had been out in the field, I would have been much more careful.

I have been up on that roof a couple of hundred times over the last three years

and got just too comfortable up there. So my 30 meter activity will be down until I can heal enough to get back on the roof. Will shift my evening ops to

20 meters.

Ed AB8DF

The Michigan QRP Net meets each Tuesday night at 9:00 PM Eastern Time on

3.535

MHz. All hams are welcome.

Date: Mon, 30 Apr 2001 10:41:21 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [97350] Re: Microphone for K2
Message-ID: <003301c0d183\$a2d0fca0\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You know what might make a good project? Just rating and comparing mics...

Years ago at the one repair center I worked at, the CB tech had a B&K CB test station that included a 'mic test' feature. There was a 'padded ring' in the center of the unit that you held a mic against, and it would generate a KNOWN amplitude tone for testing mics and making adjustments. Yes, he tied his test gear 'hard wired' to the sets when he was working on them, but always did a final adjust of mic gain using this setup to be 'consistant'.

What I'm thinking of is doing something similar with an audio oscillator, and just 'comparing' some mics.

Then seeing how different mics work in my K2, after I KNOW how they react to a 'standard'.

Anyone do anything like this already?

Mike

Date: Mon, 30 Apr 2001 10:15:13 -0500
From: "SPENCER, JOSEPH" <joseph.spencer@tccd.net>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [97351] HAMCOM 2001
Message-ID: <2751DDC83AB5D211A0930090272ABEEDFF37E8@EXCHANGE_NE>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Ok Gang,

It is time to start planning on attending HAMCOM 2001 in Arlington Texas!

June 8,9,10 2001.

QRP events, tables, meal, building contest, drawing,etc,etc.

Here is the webpage to watch for details: www.quadj.com/hamcom2001.htm

I have started the Pre-registration list to get into the drawing....email me
to get on the list
at: kk5na@quadj.com

72/3 for now

Joe KK5NA

Date: Mon, 30 Apr 2001 11:53:06 EDT
From: Dean W Manley <kh6b@juno.com>
To: qrp-l@lehigh.edu
Cc: kh6b@arrl.net
Subject: [97352] FDIM Car Ride Available
Message-ID: <20010430.055304.5391.0.kh6b@juno.com>

Hi FDIM gang,

I'll be visiting my sister in St. Joseph MI just before the FDIM.
I'll have a rental car and have room for a passenger
from the Benton Harbor MI/South Bend IN area. I plan to be
at the FDIM Wednesday evening May 16 thru at least Sunday
morning May 19.

Any non-smoker want to share a room at the FDIM? Please
contact me as I have a room reserved at the Ramada Inn.

Please email me off line: kh6b@arrl.net

Aloha,

Dean KH6B
Hilo Hawaii

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 30 Apr 2001 16:02:01 +0000
From: nq7x@att.net
To: qrp-l@lehigh.edu (QRP-L List)
Message-ID:
<20010430160202.VGXE3742.mtiwmhc25.worldnet.att.net@webmail.worldnet.att.net>

Tnx Jan, Paul and crew for an interesting and VERY
challenging test. I especially enjoyed the very
descriptive reports from the monoliths. Nothing unusual
to report from my home monolith...just operated as usual
as time was available. Expected the special name
stations to be CQg, but nope they were S&P too...but
eventually found 13 of them....three of them twice.
Still not sure of the score I came up with...maybe Jan
can figure it out.

BAND	QSOs	QSO Points	SPC	Loc	Bonus
------	------	------------	-----	-----	-------

40CW	14	200	6		
20CW	71	915	27		
15CW	19	240	12		

	104	1355	45	314	800
--	-----	------	----	-----	-----

Score = 1355 x 45 x 314 x 45 x 314 + 800 =? 19,146,950
Home category
Rig:TS850 5watts/WM2
Ant:Triband = 40M extender
73 NQ7X AZ ScQRPion DM33vj Sun City West, AZ 85375

Date: Mon, 30 Apr 2001 09:04:41 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>, azqrp <azqrp@extremezone.com>
Subject: [97354] Contest: FD Antenna Discussion
Message-ID: <3AED8D19.2BA9E560@dancris.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gangue:

I have an idea for a FD antenna arrangement, and would like to turn it over to the group for discussion. I am thinking of using 3-4 each, several wavelengths long, true long wires, each pointed to a different compass location. At my FD location, I can get the wires up to around 30 feet through the world's largest Ponderosa Pine forest. At 30' I won't be getting much low angle radiation, BUT I don't WANT high angle radiation, only something like medium angles.

I tentatively would use a quarter wave stub for each band desired, running in line with each wire for the ground return fanned out as in a mutli-wire/multi band dipole.

The plan is to put automatic antenna tuners at each antenna, so that when I change bands, each antenna will be tuned up quickly for that band. An antenna switch would select each antenna/tuner, depending on the direction desired.

Has anyone ever tried this? Any further refinements that anyone can think of? Would the low antenna height cause excessive ground loss? What if the antenna wire departs a few degrees from a straight line, as the wire runs through the trees? How many degrees would be acceptable and still maintain reasonable gain and directivity?

Brian K7RE

Date: Mon, 30 Apr 2001 09:21:55 -0700 (PDT)
From: agtaylor@llnl.gov
To: qrp-l@lehigh.edu
Subject: [97355] QRPTTF at K7GT/p
Message-ID: <200104301623.JAA15081@poptop.llnl.gov>
MIME-Version: 1.0
Content-Type: TEXT/plain; CHARSET=US-ASCII

QRPTTF was done from Rose Peak, elev 3817 about 15 miles south of Livermore CA. A 10.5 mile very strenuous backpack trip in and out. Encountered a 4' rattler on the trail in Friday but no QSO, just eye-to-eye contact. Rattles had a nice signal.

Set up antennas in a breezy cloud/fogbank with very wet grass/plants. Got on the air at about 9AM local time and found no action on 40. The

'M' beacon was roaring in from Magadan, but no QRPers. Finally had one Q on 40 then jumped to 20m. Managed 42 Qs for a score of 37450. Actual operating time was 2 hours 15 minutes. Had to break down the station and hit the trail at 1PM. (Shared with KQ6KV) Got to the car at 7:30

Best DX: WQ2RP and AL0HA.

Loudest signal: W3CD/AD6JV from nearby Mt Hamilton!

Conditions seemed poor until a good run between noon and 1PM shutdown.

Busted contacts with KN5TX, others. Duped WU0L and W5YA. Sending was poor: the contact spacing was too close and the tension too light. Also distracted by the wind noises and dampness. Logging via pen, spiral pad. Dupe checking randomly by inspection/happenstance.

Next QRPTTF I think I will do from a drive-to location. This was a lot of work for only 2 1/4 hours of operating time.

Contact summary:

40: K0EVE/m

20: W5YA, WU0L, AD6GI, AA5B, N0UR, AB0GO, K4FB, W8SAG, K0EVZ, W3CD, AK7Y, W0CQC, K50J, N1FN, W0MXY, K5DI, W0UFO, N0TK, KG6ELY, W4NJ, AA7EQ, AD6JV, KD7MRO, N7KE, N0RC, WE7G, K7FD, WQ2RP, K7RE

15: AA5B, AD6GI, AL0HA, K50J, N1IE, WA5WHN, N4ROA, N1FN, AD6JV, W4GGM, W3CD, K8KFJ.

73 Allan K7GT

--

Allan G Taylor

agtaylor@llnl.gov

Date: Mon, 30 Apr 2001 16:23:37
From: "Jerry McCollom W0MC" <w0mc@hotmail.com>
To: qrp-1@lehigh.edu, ncarc@qth.net
Subject: [97356] Last Call, Lower Prices! W0MC Shack Clearance Sale
Message-ID: <F146rSBYh133tYwlib400011ba5@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Final call before I go to the auction site. The items below can be seen via:

<http://www.frii.com/~mccollom/sale>

All prices include shipping in the US.

QRP Gear

- * Red Hot Radio NC-20 \$130
- * OHR WM-2 QRP Watt Meter \$65
- * Wilderness Norcal 40 + KC1 + 10-turn pot + High Power mod \$145
- * PSK-20 + Enclosure \$145
- * LDG Z11 QRP Auto Tuner \$160

Other Ham Gear

- * Icom IC-746 and Accessories \$1100, SM-6 mic \$60, SP-21 \$80, complete station \$1200
- * JPS ANC-4 \$110
- * JPS NIR-10 \$100

Computer Stuff

- * Kenwood 72X CD Drive \$90

73,
Jerry
W0MC

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Date: Mon, 30 Apr 2001 11:54:07 -0500
From: "George, W5YR" <w5yr@att.net>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [97357] Re: Microphone for K2
Message-ID: <3AED98AF.7B1806C4@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike, you will be running up against the classic problem in characterizing the frequency response of microphones and other sonic properties: How much of what you measure is due to the "mic under test" and how much to the speaker or whatever that is generating the audio soundwave into the mic? And to the acoustic conditions present in the setup?

Just checking for a comparative output level for a fixed input level is a good rough test, but it is lacking in terms of trying to characterize mic in terms of "how they would sound" on a K2 or any other rig.

Your proposed setup is fine for comparative readings - keeping always in mind that the soundwave transducer with its unique properties is the common element to all tests - but it runs into serious problems when trying to obtain absolute characteristics, etc.

Same problem at work when different people listen to different receivers, headphones, speakers, audio systems, etc.: each person brings his own ear responses to the experiment, as well as different acoustic environments while listening. What sounds great to one person may be useless to another.

The magnitude of this problem with mics is much smaller with restricted-range, relatively close-talking mics intended for amateur SSB service. But, don't be surprised if Person A feels that Mic A sounds great on his K2 but Person B can't stand to listen to it! <:}

Keep us posted on your efforts!

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Mike Yetsko wrote:

>
> You know what might make a good project? Just rating and comparing
> mics...
>
> Years ago at the one repair center I worked at, the CB tech had a
> B&K CB test station that included a 'mic test' feature. There was a
> 'padded ring' in the center of the unit that you held a mic against, and
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> making adjustments. Yes, he tied his test gear 'hard wired' to the
> sets when he was working on them, but always did a final adjust of
> mic gain using this setup to be 'consistant'.
>
> What I'm thinking of is doing something similar with an audio
> oscillator, and just 'comparing' some mics.
>
> Then seeing how different mics work in my K2, after I KNOW how they
> react to a 'standard'.
>

> Anyone do anything like this already?

>

> Mike

--

x

Date: Mon, 30 Apr 2001 13:24:29 -0400
From: "Paul Gerhardt" <pgerhardt@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [97358] K3PG QRPTTF LOG
Message-ID: <F7LYCT4aJ6pkNzPZrIk0000118c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

QRP TTF 2001 Log for K3PG

Standard Exchange sent unless noted 559 MD 3 Paul

Sat April 28 2001

UTC	Band	Call	RST	SPC	ID	Name	RST Sent (std if blank)
1611	40	K3WW	579	PA	3	CHAS	579
1621	40	N3EPA		569	PA	4 RON	
1625	40	WB8E	599	MI	3	WALT	
1633	40	WB1HBE			599	MA 1 JOHN	
1635	40	KC2KY		599	NY	3 NEIL	
1638	40	VE3VA		579	ON	1 JEFF	579
1639	40	W10G	599	MA	1	GUSS	
1701	40	MX2ND		579	NJ	1 HOWIE	579
1703	40	W2ZM	579	NY	1	BOB	579
1722	20	W5YA	579	NM	4	FRED	
1735	20	W5YW	559	LA	4	MIKE	
1740	15	NQ7X	559	AZ	1	FLOYD	
1855	20	NQ5RP		449	AR	5 JIM	
1904	20	KE9UR		339	IN	1 BOB	
1915	20	N0RC	559	CO	3	RON	
1930	20	WU0L	559	CO	5	MARK	
1935	20	N1FN	559	CO	4	"ET" BONUS**	
1940	20	W0CQ	559	CO	2	RICH	
1958	20	K50J	559	TX	2	RUDY	
2020	20	K0EVZ		559	ND	5 "HAL" BONUS**	
2035	40	N4ROA		559	VA	4 DAN	
2040	40	K8IQY		559	MI	2 "HAL" BONUS**	
2045	40	K4JSI		559	MD	5 CAL	

2055	40	W3KC	589	MD	3	CHAS	589
2105	20	WA8ZBT			559	TX	1 DENNIS
2109	20	AA5TB			559	TX	3 STEVE
2134	20	NQ7X	559	AZ	1	FLOYD	
2145	40	KC4TXR			559	NY	5 JOHN
2150	40	W2XD	599	PA	5	JIM	
2153	40	WB5ZJN			559	OH	1 SAM
2203	40	VE3SMN			565	ON	1 STEVE

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 Date: Mon, 30 Apr 2001 10:06:13 -0700
 From: "Doug Hendricks" <ki6ds@dph.dpol.net>
 To: <qrp-l@lehigh.edu>
 Subject: [97359] KI6DS QRPTTF report/why NOT to operate from home during TTF events
 Message-ID: <01c0d197\$dcc77560\$330b0d0a@doug.dph.dpol.net>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

Guys I have been snowed under the past couple of weeks, and decided last week that I would operate from home during QRPTTF for a couple of reasons. One, I would save time needed to travel and set up to do things that I still need to get caught up on (which of course takes away the fun of operating in the field which is the main idea of these contests), and two, I would get to see what it is like to operate from home during one of these contests (is it really worth it to go to the field? Can I have just as much fun from home?).

I allocated 4 hours to work the contest. Sat down at the desk, tuned up on 20 meters. Ahh, here is WA5WHN calling. Make the contact, exchange the info, and I am on my way. Great to work Jay again. I think of his vista in the mountains, and think where I am at, man, this is not a good way to go. I should have gone to the field. Next call is AC7Y, I think, because in the middle of the qso, my wife comes in and that is when the problems started. I won't go into details, but guys, take it from me, you WANT to go to the Field for QRPTTF contests. Do not, I repeat, do not, stay at home. There are just too many opportunities to keep you from operating, (at least in my case.)

I know that this was a great contest, because it always is. Jan, N0QT, NorCal contest manager did a major amount of work planning this one, and it paid off. Thanks Jan. Thanks to all of you who are posting reports. Why?

Well, that is the only way that I get enjoy the contest this year. My qso total is 1. Period. Paul, I would have welcomed the wind at Riley, the spooky stuff at Area 51, the Policia at El Paso/Juarez, the weather on the Nevada/Az. border, the bikini babe at the beach, no I had to stay at home. Bad move. 72, Doug, KI6DS

Date: Mon, 30 Apr 2001 11:17:16 -0700
From: "David Castor" <dpcastor@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [97360] OT: Pioneer 10 Still Alive!
Message-ID: <3AEDAC2C.FE144F8F@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Info from NASA website regarding QRP miles/watt champ, Pioneer 10:

=====

Pioneer 10 distance from Sun : 77.67 AU Speed relative to the Sun: 12.24 km/sec (27,380 mph) Distance from Earth: 11.74 billion kilometers (7.29 billion miles) Round-trip Light Time: 21 hours 45 minutes

Good News!! Pioneer 10 lives on. At GMT 17:27:30, Saturday, 4/28/01, the signal from Pioneer 10 was received at station 63 in Madrid, the first time since August 19 of last year. As Samuel Clemens (AKA Mark Twain) once reported to the newspaper - "The report of my death was an exaggeration" could be applied to the premature reports of the demise of Pioneer 10. Once again - muchas gracias - to the DSS 63 crew for their continuing excellent support. So it appears that Pioneer 10 has life, albeit in another mode - only in a two-way coherent mode. Our Chief Flight Controller Ric Campo says, "In order [for Pioneer 10] to talk to us, we need to talk to it." This means from now on, we need two-way round-trip light time (RTLT) passes to allow the Deep Space Network (DSN) to send up a strong stable signal to lock up with a coherent downlink signal. We will have to schedule tracks on the busy DSN schedule to allow uplink and downlink support (competition for time includes Galileo, Cassini and Ulysses). This will greatly limit the monthly tracking available for Pioneer 10.

=====

Dave Castor, K7EL

Date: Mon, 30 Apr 2001 13:58:01 -0500
From: "Jim" <n0ur@mn.mediaone.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [97361] QRPTTF N0UR
Message-ID: <000901c0d1a7\$7b19b5c0\$1e572942@mn.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My monoliths were wind generators near Lake Benton MN, just 5 miles from the MN SD border. I've heard about these, but have never been there. I was amazed to see the white towers, sprouting out of Buffalo Ridge as far as I could see, both north and south, there are hundreds of them. My site was a "horse" camp, on top of Buffalo Ridge overlooking Lake Benton, with a series of towers right in my back yard, it was perfect. I was in awe when I was able to get close to one of these, over 250 feet high, with 3 huge blades making a "swooshing" sound as they cut through the wind. It was beautiful.

I made the mistake of driving our pickup truck instead of the mini van. I set up on the tailgate of the truck, and used a plastic tarp as a cover to shade my computer screen, and keep the rig cool. I now know why they picked this site for the wind generators, the wind was violent. Every time I stood up, my cap flew off, and my chair blew over, the tarp was making so much noise flopping around I had to really crank up the audio on the rig. My attempt to put up my kite was cut short by the wind snapping the spars within the first 30 seconds. I had the equipment shaded, but nothing for me. After being covered, and indoors for the last 8 months, all my exposed skin was burned to a nice reddish pink, or maybe it is wind burn.

No trouble with ranchers, or cattle mutilators. I did have a handful or visitors, who all had to stop and ask what I was doing, and then want to hang around and talk what seemed forever, very nice people. The highlight was when a old ham friend WA0OUR, who I have not seen in 20 years decided to drive up from Sioux Falls and have a "eyeball."

A picture is worth a thousand words, so I will have some soon to share.

Thanks to all I worked. 15 and 10 meters were just dead here up North. I tried.

72's
Jim N0UR

Date: Mon, 30 Apr 2001 14:53:28 -0400 (EDT)
From: "John L. Sielke" <w2agn@pobox.com>
To: qrp-l@lehigh.edu, elecrafft@qth.net
Subject: [97362] Another plug for K1/K2 rigs
Message-ID: <XFMail.010430145328.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

If you are tired of hearing good things about the K2 and K1, delete and move on.

We used the K1 on 20M and the K2 on 15 for the QRPTTF. Both stations operated from the same picnic table, antennas about 30' apart. Absolutely NO interference noted.

Toward the end of the day, I hooked up the FT-817 in place of the K2 on 15. I was wiped out by the 20M station! Back to the K2, and all well again.

Guess which rig gets used on FD?

John W2AGN

Date: Mon, 30 Apr 2001 14:22:09 -0500
From: "Jim" <sunwatt@starband.net>
To: "QRPARCI" <qrp-parci@listbot.com>, "QRP-L" <qrp-L@Lehigh.edu>
Cc: <jmedley@ix.netcom.com>
Subject: [97363] QRPTTF score calculation
Message-ID: <000e01c0d1aa\$e1b5afc0\$9a354794@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My NorCal summary sheet is in front of me and mostly completed.

All QSO's were on 20M. As soon as I setup my Black Widow 20ft pole, I noticed that the wide end of the 2nd section from the top was cracked in two places. Not a tight fit and I had to use rubber bands, and twigs to make it stay.

The day started with this attempted SNAFU, & I got past that so I thought maybe it would be a great day. As soon as I turned on my QRP+ and put on my headset I found QRP stns from 14.057 to 14.063mHz. What better way to start than with K0EVZ, Doc in North Dakota!

It took me a couple minutes to find a clear place to CQ, but right away my homebrew paddles gave me trouble. I did a little bending, and had them working again.

I'm saving the rest of the Slate Gap island story for the next ARCI QRP Quarterly. Now back to my score!

My SPC's were 20, all on 20M.

I worked 21 $\frac{4}{5}$ Loc ID stns, 7 $\frac{2}{3}$ ID stns, and 10 1 ID stn. So, $21 \times 20 = 420$, $7 \times 10 = 70$, and $10 \times 5 = 50$. That's a total of 540 QSO points.

Location Mult's. I had 14 Single Op Monolith stns. So $14 \times 5 = 70$. There were 7 Multi Op Monolith stns, $7 \times 4 = 28$. A total of 5 Single Op Field stns, $5 \times 3 = 15$. Just 2 Multi Op Field stns, $2 \times 2 = 4$. And 10 home stns, $10 \times 1 = 10$. That's 127 for Loc multiplier.

On Bonus points I had K0EVZ Hal, AB0GO Dave, AE4IC Mars, K1ZZ Dave, W0UFO UFO, and N1FN ET. My Bonus total is 300 points.

The scoring formula is QSO Points x SPC x Loc + Bonus = Final Score.

So, here we go!

Final score = 540 QSO points X 20 SPC = 10800.
 $10800 \times 127 = 1371600$.

Add 300 Bonus points for a Final Score of 1,371,900.

Correct?

Thanks, 72's
de Jim KJ5TF (Op NQ5RP)

Date: Mon, 30 Apr 2001 19:22:55 -0000
From: "Delbert Long" <ad6we@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [97364] Re: Q: Herring-Aid 5 and other old radios
Message-ID: <F177kidcDjoYAPNXRPm0000f17d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Just bought a 1950 Radio Amateurs Handbook on EBAY, mainly because it is from the year of my birth...thinking of trying to build a simple tube transmitter described in there just for the heck of it...it's interesting to

read about what was going on in ham radio back then...

Del, AD6WE

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Date: Mon, 30 Apr 2001 19:28:00 -0000
From: "Delbert Long" <ad6we@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [97365] Re: Herring Aid 5
Message-ID: <F191zyJxArGvnCjnZS00000f0f6@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I built a Herring Aid 5 years ago...never got it entirely done, I thought there was something wrong when all I could hear was local broadcast stations...threw it out when I had to clean up for a divorce...sorry now...there's a lot of stuff I wish I still had.....

1. Never quit your day job.
2. Never sell your guitar.
3. Never throw away good ham gear.

AD6WE

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Mon, 30 Apr 2001 19:36:07 -0000
From: "Delbert Long" <ad6we@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [97366] help with HW-8
Message-ID: <F11r6eDIBlgb8hMppUY0001070d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Got a HW-8 cheap...found out that it could receive and transmit but don't have the manual so I am not sure how to tune it up...

BIG problem now is that the rotor blades came off the main tuning cap. Can that be fixed or do I have to dig up a new one?

Thanks...

De1, AD6WE

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Date: Mon, 30 Apr 2001 13:40:43 -0600
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [97367] MK706MK2G & CW mode
Message-ID: <F88k5IUIkus0rWNgcj30000b1d4@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Folks,

Well I did it, I got the 706MK2G, with a 500Hz filter for CW. I find that the audio clicks & thumps quite a bit when in CW mode, full or semi-QSK. Is this the experience of others who have this rig?

This is not a big deal, primarily I got the 706 as an all mode 2m/440 base/mobile rig, with HF backup capabilities, the K2 remains my primary HF rig. Works good QRP, power dials down to about 3watts. Can't wait to try it PSK too.

Ergonomics aren't bad for such a small rig most things are laid out logically for me.

Decent DSP as well.

73, Rod N0RC
Fort Collins, CO

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Date: Mon, 30 Apr 2001 12:50:38 -0700 (PDT)
From: Curt Milton <wb8yyy@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [97368] QRPTTF Operating Habit
Message-ID: <20010430195038.51663.qmail@web9601.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

I operated at home in-between many outdoor chores so I tried my best to give out QSO points. I did notice the same wideband QRM (not BC, its more like a sensor or wideband comm signal) but i did not take time to see how much spectrum he was using.

On 20m I did note that everyone out west was all calling CQ on 14.060. If folk would spread out, we could all make more contacts. Since of course you could not hear each other, you all did not realize it was one big party line. I could not make out call signs < 200 Hz apart, and when I did several of you would call me back at the same time. Please spread out and use more spectrum! As you do it will be a chain reaction and then 14.060 will no longer be "prime real estate."

i hope everyone outside had fun and avoided sunburn, bites and injuries. more spread-out use of the spectrum would encourage more of us to get out!

curt WB8YYY (operating from Maryland Status 1)

Do You Yahoo!?

Yahoo! Auctions - buy the things you want at great prices
<http://auctions.yahoo.com/>

Date: Mon, 30 Apr 2001 20:10:18 -0000
From: "Tom Dufresne" <tdufres@hotmail.com>
To: ad6we@hotmail.com, qrp-1@Lehigh.EDU
Subject: [97369] Re: help with HW-8
Message-ID: <F67dGRRWsA0e1Marjw20000b5cc@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Delbert:

I understand this is a common problem with this rig. I know, it happened to me as I tried to adjust the capacitor's readout. The rotor is literally "pressed fit" on the shaft. I have read about chaps who have superglued them back on, some have used JB Weld, that stuff Paul Harvey sells on his radio show, but it works just fine to just "press fit it" back on. It is kind of a

trial and error thingee if ya don't have the manual, because the way it goes on is not absolutely clear unless you can see the picture. Make sure that it doesn't "short out" when you do it. Check the whole range. Just don't exceed the limits of rotation, and it won't happen again. The whole process took me about 1 hour; 55 minutes how to figure how it went on, 1 minute to do it, and 4 minutes to pat myself on the back for a job well done (j/k). Good luck, BTW, the HW-8 is a great QRP rig. Its really fun to hear your contact comeback with "ONLY 2W? PSE RPT"

Tom
KC0GXX

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Mon, 30 Apr 2001 16:14:15 -0400
From: "Russ Hines" <wb8zcc@one.net>
To: <myetsko@insydesw.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [97370] Re: Microphone for K2
Message-ID: <003701c0d1b2\$21e1bd80\$0d2417d8@rbhines>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8BIT

Well, if you have absolutely nothing to do on a rainy day, sure, go for it. But what you propose will only verify the mic performance and that's already been done by the manufacturer when he tested your microphone (you did get a data sheet, didn't you?). As you know, that unfortunately tells us nothing how satisfactorily a mic might work with your voice. I don't know about you, but what I'm after is what works best for me with my voice.

Different mics and mic types have different characteristics (output impedance, levels, efficiency, noise, power requirements, etc.). For me, the important things are a) matching up a mic's characteristic impedance to the rig's mic input impedance, and b) not overdriving the AF amps and modulator. As for a), that impedance may be just at some test frequency, like 1kHz. But matching the impedances gets me closer to the mic performing as predicted by the data sheet (you're sure you got this?). As for b), I sometimes check the AF chain with an oscilloscope using MY voice as the stimulus (my voice characteristics are what I want to transmit after all, not a test tone). If I like what I see on the 'scope, hear on a remote receiver and/or get from signal reports, then ladies and gents I got a winner. If not, I move on to a different mic or see what I can do about manipulating gain and EQ. Yeah, I know, cheaters never prosper. ;-)

I tend to favor dynamic mics over the rest. For ham work, I think you get a more

predictable response out of dynamics plus usually no preamp or external power is needed. Just my preference.

As for processing, I don't care much for compression. Listen on 75 or 40m sometime. All the pumping and clicking from guys dialing in too much processing gets to me after a little while. I do however favor a bit of limiting for the voice peaks, that can help.

Okay, enough wind. It's all highly subjective and something akin to picking out stereo speakers, but there's my 2 cents.

73,
Russ Hines
WB8ZCC
wb8zcc@one.net
wb8zcc@arrl.net

----- Original Message -----

From: Mike Yetzko <myetzko@insydesw.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, April 30, 2001 10:41 AM
Subject: Re: Microphone for K2

> You know what might make a good project? Just rating and comparing
> mics...
>
> Years ago at the one repair center I worked at, the CB tech had a
> B&K CB test station that included a 'mic test' feature. There was a
> 'padded ring' in the center of the unit that you held a mic against, and
> it would generate a KNOWN amplitude tone for testing mics and
> making adjustments. Yes, he tied his test gear 'hard wired' to the
> sets when he was working on them, but always did a final adjust of
> mic gain using this setup to be 'consistent'.
>
> What I'm thinking of is doing something similar with an audio
> oscillator, and just 'comparing' some mics.
>
> Then seeing how different mics work in my K2, after I KNOW how they
> react to a 'standard'.
>
> Anyone do anything like this already?
>
> Mike
>
>
>

Date: Mon, 30 Apr 2001 13:01:44 -0700
From: Dan Presley <talljazz@teleport.com>
To: tony@g4wif.fsnet.co.uk
Cc: qrp-1@Lehigh.EDU
Subject: [97371] Re: CW and guitars
Message-ID: <f0501043cb713723cc8ed@[209.239.211.98]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

>For those that don't know Ted, he is the leader of an orchestra that my
>wife plays in. He stands up the front waving a stick and the musicians
>pretend they are watching him. There are no guitars in the orchestra
>which possibly explains his message :-)
>
>72/3
>Tony - G4WIF
>

Pardon an old musician's joke: "If you join the orchestra, and can't play, you're handed two sticks and told to to the back of the orchestra to the percussion section. If you still can't cut it, they take away one stick and put you up front to conduct" :)

It's been fun to read the comments and notes by all the musicians on the list. As some of you may know, my occupation is music as a professional jazz bassist(acoustic string bass-qrp technology; gro sound!) It's a little much to haul my 'fiddle' to a 'qrp-con', but if I'm there, and you bring a bass, I'll keep you all honest :). I still have a nice old D-28 around back when I thought I would be the next Clarence White or Django. Now what I want is for some of you all to hire my jazz trio for your next hamfest so I can justify showing up :) The vibes player is a sailor, so I'm working on him-the drummer? Forget it!If by chance you find yourself in the Portland, Or area let me know and stop by for some 'qrp jazz'.

--

Dan Presley
talljazz@teleport.com
(503) 232-8244
pager (503) 229-8682

Date: Mon, 30 Apr 2001 14:23:10 -0600
From: "Michael T. Haynie, KC0EXP" <kc0exp@caddistech.com>
To: "QRP-L" <qrp-1@Lehigh.EDU>

Subject: [97372] Icom 735 for QRP
Message-ID: <LPELINGNAPFNJMEMINEICELACDAA.kc0exp@caddistech.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I know this has been discussed before (1995) but I just wondered what others (if any) were doing for QRP levels on the IC-735. I found this link <<http://www.qsl.net/wd8rif/text/735qrp.txt>> that has a discussion of the procedures to scale back the power on the 735 but haven't tried them yet. I just wanted to confirm or deny that this IS the way to handle the power output best.

Thanks again,
Michael KC0EXP

Date: Mon, 30 Apr 2001 20:28:16 +0100
From: "Chuck Adams, K7QO" <k7qo@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [97373] [MH101] Update April 30th [long]
Message-ID: <5.0.2.1.0.20010430195856.00a26c80@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Here is where we are.

I think most of the builders are awaiting the NorCal Toroid Kit and that should ship from CA sometime in the next week or so from the last posting that I saw from Jim and Doug.

I have updated the parts list for the unmodified SW30+ on my web page.

I now have to decide on the mod list. I will do the IF amp using a 2N2222A. I have done this in a previous excursion using SPICE modeling and we will revisit that exercise as a refresher. If anyone wants to use an IC, such as the MC1350, then I think you should be able to do that on your own, but I'm willing to help if needed. I want to check the noise level with this addition and compare to a 2N4124 noise level. This (2N4124) is the one that TenTec used a lot in their single band rigs.....

AGC -- I will look into an AGC addition if it doesn't cost too much real estate and increase the parts too much. I have gotten bitten several times with a QRO station coming on frequency during a QSO and hitting the old ear drums with a 40dB increase in audio levels. 0dB is 10^{-12} W/sq meter for the normal eardrum. If the ear were any more sensitive you could hear your blood flowing through your ear parts....

Here are some figures on human hearing and sound levels:

Leaves rustling	10 dB
Office	60 dB
Conversation	60 dB
Heavy Traffic(3m)	80 dB
Load Rock Music	120 dB (up close to the stage and sound system)
Jet Engine @ 20m	130 dB

I am not a fan of AGC in receivers, but some may want it and the extra IF amp may require it.

RIT -- an add on and I have several times wanted it on the SW30+ when after calling CQ someone came back to me over 2KHz away and I was afraid to move the dial.

I did this once and the guy moved to the same distance away. I'll try not to steal

Dave's circuit as he sells an RIT board for about \$20 I think.

The AFA has been done already by a member of the AZ sQRPion group, Dan Tayloe, N7VE,

and I'll give details later on that. It is a Microchip uP and you'll have to buy an extra IC (74AC00) and if you want an additional speaker a 1K Ceramic buzzer. Someone else is working on an 16F84A version also and when they come forward with their work I'll announce to the group. Dan's pricing is \$5 shipped first class and I'll post an address etc. after the AZ sQRPion meeting next weekend.

Speaker -- for those wanting speaker output you will have to get an add on audio amp. MP Jones has a kit for about \$8 and there are other options. This is left for the builder to work out the details on. I am not a fan of speakers in any situation. Radio shack may have a one chip solution on the shelf.

OK. Last call for modifications and I'll take volunteers for their designs of the above if you feel it is worthy of the groups attention. Thanks in Advance.

FYI

P.S. I am going to Kitt Peak Observatory on Tuesday of this week. It is kind of a Mecca trip as 1/2 my dissertation data came from there and I've never been there.

So Phyllis and I are taking a vacation for a few days. I will be away from the computer so any lack of response on my part is not intentional.

For those that are going to build the SW30+ unmodified, study everything and I'll help you do a layout when I get back. You might try it on your own as practice to compare with my layout. Yours is probably going to be better..... We should be able to get this project done completely in the month of May in time for entries into the Ft. Tuthill building contest in July.

gl es cul,

dit dit

Chuck Adams, K7QO CP-60
Prescott, AZ k7qo@earthlink.net <http://www.qsl.net/k7qo>

TMPS-2001 Jan 12th -> April 15th, 2001 States = 49 DXCC = 15

States Needed AK DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08 ZS6 EA8 EA7
PJ ZL2

Moving to Arizona? --- Bring your own water.

Date: Mon, 30 Apr 2001 16:23:49 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: kc0exp@caddistech.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [97374] Re: Icom 735 for QRP
Message-ID: <3AEDC9D5.68EE7643@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael.

About the only way to go QRP with the Icom 73X series is to turn the power down with the ALC control. It's been a few years since I had my Icom 730, but as I remember I could get to 5 watts form the front panel. There are instructions in the QRP archives for using an extra battery and going lower. All in all the Icom is a great radio. Does all bands, all modes, and at all power levels! What more could you ask for?

Date: Mon, 30 Apr 2001 16:33:55 -0400 (EDT)
From: "John L. Sielke" <w2agn@pobox.com>
To: Jim <sunwatt@starband.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [97375] RE: QRPTTF score calculation
Message-ID: <XFMail.010430163355.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Hey, that's more creative than I got! I think the Location Multiplier is YOUR location, which I think is 4 or 5 in your case, not 127 hi! Nice try though. I triirwed using the bonus points as a multiplier. Gives an impressive score!

John W2AGN

On 30-Apr-01 Jim wrote:

> I worked 21 4/5 Loc ID stns, 7 2/3 ID stns, and 10 1 ID stn. So, $21 \times 20 = 420$,
> $7 \times 10 = 70$, and $10 \times 5 = 50$. That's a total of 540 QSO points.
>
> Location Mulit's. I had 14 Single Op Monolith stns. So $14 \times 5 = 70$. There were
> 7
> Multi Op Monolith stns, $7 \times 4 = 28$. A total of 5 Single Op Field stns, $5 \times 3 = 15$.
> Just 2 Multi Op Field stns, $2 \times 2 = 4$. And 10 home stns, $10 \times 1 = 10$. That's 127
> for
> Loc multiplier.
>
> On Bonus points I had K0EVZ Hal, AB0GO Dave, AE4IC Mars, K1ZZ Dave, W0UFO
> UFO, and N1FN ET. My Bonus total is 300 points.
>
> The scoring formula is QSO Points x SPC x Loc + Bonus = Final Score.
>
> So, here we go!
>
> Final score = 540 QSO points X 20 SPC = 10800.
> $10800 \times 127 = 1371600$.
>
> Add 300 Bonus points for a Final Score of 1,371,900.
>
> Correct?

Date: Mon, 30 Apr 2001 16:04:56 -0400

From: "ZOOM" <kandrparker@sympatico.ca>
To: <RangerSF5@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [97376] Re: NEED HELP WITH BIDIRECTIONAL DIODE??
Message-ID: <004401c0d1b0\$d44031c0\$3294fea9@robertpa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sounds to me that it's a DIAC used to prevent transients from false triggering an input sensitive device.

Cheers,
Robert
VE3RPF

----- Original Message -----

From: <RangerSF5@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, April 30, 2001 2:58 AM
Subject: NEED HELP WITH BIDIRECTIONAL DIODE??

> thanks for the reply. the problem is that it's supposed to be a
> "bidirectional" diode. from the diagram it shows two diodes connected
cathode
> to cathode so whichever
> HI GANG,
> i'M TRYING TO GET A CHRYSLER a/c UNIT GOING FOR SOMEONE VIA "E MAIL
> I looked in many books but the auto industry may call it a different name
> such as you see.
> How do the two work or what do they do being cathode to cathode?
> Any help will be greatly appreciated
> Bob

Date: Mon, 30 Apr 2001 14:18:54 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: dotyj@home.com
Cc: qrp-1@lehigh.edu, elecraft@qth.net
Subject: [97377] Re: [Elecraft] Another plug for K1/K2 rigs
Message-ID: <F1823hshDdj07e0BQkY0000f233@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

James said:

>

>A friend of mine and I just finished building a pair of K1's with all the
>goodies.

>

>We're both frantically practicing our CW so we'll be good enough for Field
>Day.

I can't think of a 'funner' field day than w/ two K1's side by side!! Way cool!

73 John K7FD, with apologies to my grammar teacher...

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Date: Mon, 30 Apr 2001 16:22:11 -0500

From: Paul Dryer <psdryer@ticnet.com>

To: kc0exp@caddistech.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [97378] Re: Icom 735 for QRP

Message-ID: <3AEDD783.4987AA77@ticnet.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Easy stuff! My main rig is an IC-735. You really don't have to remove the bottom cover. Use a thin tuning wand and adjust the "lo" trimmer left until it stops. This also effects the "hi" trimmer so have a power meter hooked up. Move the "rf power" slider to max and adjust "hi" back up to 100 watts. Move the

"rf power" back to low and check the output. You should see 1-3 watts out. This can all be done through the ventilation slots on the bottom of the case. Hope this helps.

Paul, KD5IVP, DeSoto, Texas

"Michael T. Haynie, KC0EXP" wrote:

> I know this has been discussed before (1995) but I just wondered what others
> (if any) were doing for QRP levels on the IC-735. I found this link
> <<http://www.qsl.net/wd8rif/text/735qrp.txt>> that has a discussion of the
> procedures to scale back the power on the 735 but haven't tried them yet. I
> just wanted to confirm or deny that this IS the way to handle the power
> output best.

>

> Thanks again,
> Michael KC0EXP

Date: Mon, 30 Apr 2001 18:09:06 EDT
From: Shepherd@aol.com
To: <qrp-l@lehigh.edu>
Subject: [97379] NEWSLETTER:
Message-ID: <dd.13cf0687.281f3c82@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello everyone!
The May issue of the Flying Pigs QRP Club's newsletter, the Bacon Bits is now on-line.

<http://www.mpna.com/fpqrp/news.html>

72, oo
Dan, N8IE
FP #-6

End of QRP-L Digest 2175

